

# Comparisons of Job Characteristics

Focus Occupation: **Sheet Metal Workers (47-2211)**

Associated Occupation: **Carpenters (47-2031)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Sheet Metal Workers (47-2211)

Associated Occupation: Carpenters (47-2031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Building and Construction	4.0	17.5	16.5	0	Current knowledge level may be sufficient
Mathematics	9.2	12.8	14.8	>	Current knowledge level is likely sufficient
Mechanical	6.8	12.6	17.4	>>	Current knowledge level is likely more than sufficient
Design	5.2	12.2	14.9	>	Current knowledge level is likely sufficient
Production and Processing	6.0	10.9	11.0	0	Current knowledge level may be sufficient
Public Safety and Security	6.9	8.6	5.9	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Sheet Metal Workers (47-2211)

Associated Occupation: Carpenters (47-2031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	6.1	6.9	>	Skill level is likely sufficient
Equipment Selection	3.3	5.9	6.4	0	Current skill level may be sufficient
Equipment Maintenance	3.5	5.1	7.4	>>	Skill level is likely more than sufficient
Installation	1.7	3.8	4.4	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Sheet Metal Workers (47-2211)

Associated Occupation: Carpenters (47-2031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Trunk Strength	5.7	11.4	9.6	<	Some improvement in abilities may be required
Static Strength	5.0	11.3	10.0	<	Some improvement in abilities may be required
Visualization	7.5	11.3	12.3	0	Current ability level may be sufficient
Manual Dexterity	6.5	11.2	9.5	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.8	9.1	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	10.8	9.8	<	Some improvement in abilities may be required
Stamina	4.0	8.7	7.2	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	8.6	7.3	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	8.3	7.1	<	Some improvement in abilities may be required
Spatial Orientation	2.7	6.2	5.1	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Sheet Metal Workers (47-2211)

Associated Occupation: Carpenters (47-2031)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Build or repair structures in construction, repair, or manufacturing setting	54
Climb ladders, scaffolding, or utility or telephone poles	56
Determine material or tool requirements	72
Determine project methods and procedures	76
Erect scaffold	56
Examine products or work to verify conformance to specifications	15
Fabricate ducting	95
Fabricate, assemble, or disassemble manufactured products by hand	11
Install sheet metal assemblies in supportive framework	95
Move or fit heavy objects	8
Perform safety inspections in construction or resource extraction setting	46
Position, align, or level machines, equipment, or structures	74

Read blueprints	10
Read technical drawings	7
Use hand or power tools	2
Use measuring devices in construction or extraction work	41
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 78

**Focus Occupation: Sheet Metal Workers (47-2211)**

**Associated Occupation: Carpenters (47-2031)**

Tools and Technologies	Exclusivity
Bandsaws and accessories	26
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Dispensing tools	6
Drafting supplies	9
Face and head protection	7
Fastener setting tools	12
Forming tools	2
Holding and clamping tools	3
Holding and positioning and guiding systems and devices	23
Humidity and moisture measuring instruments	15
Indicating and recording instruments	2
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machinery for working wood and stone and ceramic and the like	12
Marking tools	11
Measuring and layout tools	3
Pneumatic tools	8
Power tools	2
Rough and finishing tools	5
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.